

**ABSTRACT OF THE DISCLOSURE**

A method for initializing tool controllers based on tool event data includes providing a tool having a tool controller adapted to control an operating recipe of the tool; receiving a tool event notification; and initializing the tool controller in response to receiving the tool event notification. A manufacturing system includes a tool and a tool controller. The tool is adapted to process wafers in accordance with an operating recipe. The tool controller is adapted to control the operating recipe in accordance with a control algorithm. The tool controller is further adapted to receive a tool event notification and initialize the control algorithm in response to receiving the tool event notification.